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21 Towards junking the PBX: deploying IP telephony
Wenyu Jiang, Jonathan Lennox, Henning Schulzrinne, Kundan Singh
January **NOSSDAV '01:** Proceedings of the 11th international workshop on Network and operating systems
2001   support for digital audio and video
Publisher: ACM   Request Permissions
Full text available: 🖫 Pdf (312.40   Additional Information: full citation, abstract, references, cited by, index terms
                          KB)
Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 73,   Downloads (Overall): 1378,   Citation Count: 5

> We describe the architecture and implementation of our Internet teleph ony test-bed intended to replace
> the departmental PBX (telephone switch). It interworks with the traditional telephone networks via a PSTN/
> IP gateway. It also serves as a corporate ...

Keywords: PSTN/IP interoperability, SIP, VoIP test-bed, internet telephony deployment

22 Separating access control policy, enforcement, and functionality in extensible systems
Robert Grimm, Brian N. Bershad
February   **Transactions on Computer Systems (TOCS)** , Volume 19 Issue 1
2001
Publisher: ACM   Request Permissions
Full text available: 🖫 Pdf (164.03   Additional Information: full citation, abstract, references, cited by, index terms, review
                          KB)
Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 103,   Downloads (Overall): 1262,   Citation Count: 3

> Extensible systems, such as Java or the SPIN extensible operating system, allow for units of code, or
> extensions, to be added to a running system in almost arbitrary fashion. Extensions closely interact through
> low-latency but type-safe interfaces to ...

Keywords: Java, SPIN, access check, auditing, extensible systems, policy-neutral enforcement, protection
domain, protection domain transfer, security policy

23 Position-aware ad hoc wireless networks for inter-vehicle communications: the Fleetnet project
Hannes Hartenstein, Bernd Bochow, André Ebner, Matthias Lott, Markus Radimirsch, Dieter Vollmer
October   **MobiHoc '01:** Proceedings of the 2nd ACM international symposium on Mobile ad hoc networking
2001   & computing
Publisher: ACM   Request Permissions
Full text available: 🖫 Pdf (205.25   Additional Information: full citation, abstract, references, cited by, index terms
                          KB)
Bibliometrics: Downloads (6 Weeks): 26,   Downloads (12 Months): 281,   Downloads (Overall): 1993,   Citation Count: 14

> The Fleetnet project aims at the development of a wireless ad hoc network for inter-vehicle
> communications. We present the rationale behind the choice of an appropriate radio hardware and the use
> of a position-based routing approach and outline applications ...

Keywords: ad hoc networking, position-based routing, vehicle networks

24 Interaction patterns and observable commitments in a multi-agent trading scenario

Jeremy Pitt, Lloyd Kamara, Alexander Artikis

May 2001   **AGENTS '01:** Proceedings of the fifth international conference on Autonomous agents

Publisher: ACM   Request Permissions

Full text available: Pdf (208.81 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 12,   Downloads (Overall): 300,   Citation Count: 6

We propose a formal semantics for the protocol diagrams (interaction patterns) of AUML (Agent Unified Modelling Language). We connect this proposal with a general framework for defining the semantics of ACLs (Agent Communication Languages). We then show …

25 Issues in the design of a flexible distributed architecture for supporting persistence and interoperability in collaborative virtual environments

Jason Leigh, Andrew E. Johnson, Thomas A. DeFanti

November 1997   **Supercomputing '97:** Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Full text available: Pdf (278.72 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 41,   Downloads (Overall): 541,   Citation Count: 8

CAVERN, the CAVE Research Network, is an alliance of industrial and research institutions equipped with CAVE-based virtual reality hardware and high-performance computing resources, interconnected by high-speed networks, to support collaboration in design, …

Keywords: collaborative, persistence, reality, scalable, virtual

26 A measurement-based admission control algorithm for integrated service packet networks

Sugih Jamin, Peter B. Danzig, Scott J. Shenker, Lixia Zhang

February 1997   **IEEE/ACM Transactions on Networking (TON)** , Volume 5 Issue 1

Publisher: IEEE Press

Full text available: Pdf (284.33 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 46,   Downloads (Overall): 491,   Citation Count: 41

Keywords: predictive service, quality-ofservice guarantee, real-time traffic

27 Inside MASSIVE-3: flexible support for data consistency and world structuring

Chris Greenhalgh, Jim Purbrick, Dave Snowdon

September 2000   **CVE '00:** Proceedings of the third international conference on Collaborative virtual environments

Publisher: ACM   Request Permissions

Full text available: Pdf (284.55 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 29,   Downloads (Overall): 407,   Citation Count: 33

Keywords: collaborative virtual environments, distributed data consistency, distributed systems, interest management

28 An application level video gateway

Elan Amir, Steven McCanne, Hui Zhang

January 1995   **MULTIMEDIA '95:** Proceedings of the third ACM international conference on Multimedia

Publisher: ACM   Request Permissions

Full text available: Html (54.34 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 52,   Downloads (Overall): 514,   Citation Count: 49

Keywords: conferencing protocols, digital video, efficient transcoding, image and video compression and processing, multicasting, networking and communication

29 Performance comparison of centralized versus distributed error recovery for reliable multicast

Martin S. Lacher, Jörg Nonnenmacher, Ernst W. Biersack

April 2000   **IEEE/ACM Transactions on Networking (TON)** , Volume 8 Issue 2

Publisher: IEEE Press

Full text available: Pdf (364.41 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 39,   Downloads (Overall): 380,   Citation Count: 7

Keywords: ARQ, FEC, error control, performance evaluation, reliable multicast protocoL

30 vic: a flexible framework for packet video

Steven McCanne, Van Jacobson

January 1995   MULTIMEDIA '95: Proceedings of the third ACM international conference on Multimedia

Publisher: ACM   Request Permissions

Full text available: Html (67.64 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 82,   Downloads (Overall): 673,   Citation Count: 90

Keywords: conferencing protocols, digital video, image and video compression and processing, multicasting, networking and communication

31 Its about time: link streams as continuous metadata

Kevin R. Page, Don Cruickshank, David De Roure

September 2001 **HYPERTEXT '01:** Proceedings of the 12th ACM conference on Hypertext and Hypermedia

Publisher: ACM   Request Permissions

Full text available: Pdf (289.08 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 25,   Downloads (Overall): 332,   Citation Count: 4

As enabling technologies become available there is an increasing use of temporal media streams, such as audio and video, within a hypertext context. In this paper we present the rationale and requirements for delivering continuous metadata alongside ...

Keywords: metadata, open hypermedia, streamed media, temporal linking

32 L2imbo: a distributed systems platform for mobile computing

Nigel Davies, Adrian Friday, Stephen P. Wade, Gordon S. Blair

August 1998   **Mobile Networks and Applications** , Volume 3 Issue 2

Publisher: Kluwer Academic Publishers

Full text available: Pdf (403.96 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 35,   Downloads (Overall): 258,   Citation Count: 22

Mobile computing environments increasingly consist of a range of supporting technologies offering a diverse set of capabilities to applications and end-systems. Such environments are characterised by sudden and dramatic changes in the quality-of-service ...

33 Secure group communications using key graphs

Chung Kei Wong, Mohamed Gouda, Simon S. Lam

February 2000   **IEEE/ACM Transactions on Networking (TON)** , Volume 8 Issue 1

Publisher: IEEE Press

Full text available: Pdf (345.54 KB)   Additional Information: full citation, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 19,   Downloads (12 Months): 171,   Downloads (Overall): 1154,   Citation Count: 90

Keywords: confidentiality, group communications, group key management, key distribution, multicast, privacy, rekeying, security

34 A scalable wireless virtual LAN

Zhao Liu, Malathi Veeraraghavan, Kai Y. Eng

September 1998 **Mobile Networks and Applications**, Volume 3 Issue 3

Publisher: Kluwer Academic Publishers

Full text available: Pdf (300.90 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 35, Downloads (Overall): 484, Citation Count: 0

This paper presents a Wireless Virtual Local Area Network (WVLAN) to support mobility in IP-over-ATM local area networks. Mobility is handled by a joint ATM-layer handoff for connection rerouting and MAC-layer handoff for location tracking, such that ...

35 A publish/subscribe CORBA persistent state service prototype

C. Liebig, M. Cilia, M. Betz, A. Buchmann

April 2000   **Middleware '00:** IFIP/ACM International Conference on Distributed systems platforms

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (283.92 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 19, Downloads (Overall): 375, Citation Count: 1

An important class of information dissemination applications requires 1:n communication and access to persistent datastores. CORBA's new Persistent State Service combined with messaging capabilities offer the possibility of efficiently realizing information ...

36 LegionFS: a secure and scalable file system supporting cross-domain high-performance applications

Brian S. White, Michael Walker, Marty Humphrey, Andrew S. Grimshaw

November 2001   **Supercomputing '01:** Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Full text available: Pdf (499.88 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 36, Downloads (Overall): 433, Citation Count: 10

Realizing that current file systems can not cope with the diverse requirements of wide-area collaborations, researchers have developed data access facilities to meet their needs. Recent work has focused on comprehensive data access architectures. In ...

37 Experiences with network-based user agents for mobile applications

Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee

August 1998   **Mobile Networks and Applications**, Volume 3 Issue 2

Publisher: Kluwer Academic Publishers

Full text available: Pdf (631.57 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 66, Downloads (Overall): 613, Citation Count: 2

Wireless networks are characterized by simple end devices and limited bandwidth. One solution to address these and other limitations of the wireless mobile environment that has been widely pursued is the placement of proxies, or agents, inside the network ...

38 Providing QoS Customization in Distributed Object Systems

Jun He, Matti A. Hiltunen, Mohan Rajagopalan, Richard D. Schlichting

November 2001   **Middleware '01:** Proceedings of the IFIP/ACM International Conference on Distributed Systems Platforms Heidelberg

Publisher: Springer-Verlag

Full text available: Pdf (143.84 KB)   Additional Information: full citation, references, cited by

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 9, Downloads (Overall): 9, Citation Count: 4

39 Internet mobility 4×4

Stuart Cheshire, Mary Baker

August 1996   **SIGCOMM '96:** Conference proceedings on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM ◇ Request Permissions

Full text available: Pdf (208.28 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 53,   Downloads (Overall): 731,   Citation Count: 14

Mobile IP protocols allow mobile hosts to send and receive packets addressed with their home network IP address, regardless of the IP address of their current point of attachment in the Internet.While some recent work in Mobile IP focuses on a couple ...

Also published in:

October 1996 **SIGCOMM Computer Communication Review** Volume 26 Issue 4

40 Rethinking the design of the Internet: the end-to-end arguments vs. the brave new world

Marjory S. Blumenthal, David D. Clark

August 2001   **Transactions on Internet Technology (TOIT)** , Volume 1 Issue 1

Publisher: ACM ◇ Request Permissions

Full text available: Pdf (176.33 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 66,   Downloads (12 Months): 849,   Downloads (Overall): 6056,   Citation Count: 39

This article looks at the Internet and the changing set of requirements for the Internet as it becomes more commercial, more oriented toward the consumer, and used for a wider set of purposes. We discuss a set of principles that have guided the design ...

Keywords: ISP, Internet, end-to-end argument

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